

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A Radio radio communications system ~~with~~ comprising:

at least one base station ~~(BS1, BS2)~~; and

~~with~~ at least one wireless subscriber terminal ~~(MT)~~ which contains a transceiver in order to transmit and receive radio signals by at least two different radio transmission modes ~~(DECT, GSM, UMTS, IS95)~~, and which contains a selector ~~in order~~ to select one of the ~~various~~ at least two radio transmission modes ~~(DECT, GSM, UMTS)~~ at least prior to a subscriber connection being established with one ~~(BS1)~~ of the, at least one, base stations ~~(BS1, BS2)~~,

~~characterised in that~~ wherein the at least one base station ~~(BS1)~~ also contains a transceiver in order to transmit and receive by various radio transmission modes ~~(DECT, GSM, EDGE)~~, and

~~in that~~ wherein the at least one base station ~~(BS1)~~ is connected to a control means ~~(RRM)~~ which determines an availability value for each of the various radio transmission modes ~~(DECT, GSM, EDGE)~~ with the aid of ~~preselectable~~ preselected criteria, and controls the base station ~~(BS1)~~ in order to transmit to the at least one wireless subscriber terminal, an identification code for at least the radio transmission mode ~~(DECT)~~ which has the highest availability value.

2. (currently amended) The Radio-radio communications system according to claim 1, ~~characterised in that~~wherein the ~~preselectable~~preselected criteria are the radio resources instantaneously available in the radio system, and ~~in that~~wherein by monitoring the radio resources available at each base station (~~BS1, BS2~~) connected to the control means (~~RRM~~), the ~~latter assign~~control means assigns the highest availability value to the radio transmission mode (~~DECT~~) which instantaneously has the most radio resources ~~the highest availability value~~.

3. (currently amended) The Radio-radio communications system according to claim 1, ~~characterised in that~~wherein the various radio transmission modes comprise ~~standardised~~standardized methods of radio transmission (~~DECT, GSM, UMTS, IS95~~), in particular various versions of ~~standardised~~standardized methods of radio transmission, and ~~in that~~wherein the transceiver of the at least one base station and of the at least one wireless subscriber terminal (~~MT~~) can transmit and receive radio signals in accordance with ~~these~~the ~~standardised~~standardized methods of radio transmission (~~DECT, GSM, UMTS, IS95~~).

4. (currently amended) The Radio-radio communications system according to claim 1, ~~characterised in that~~wherein the control means (~~RRM~~) creates a priority list for the at least one base station (~~BS1~~) in which the identification codes for the radio transmission modes (~~DECT, GSM, EDGE~~) are listed in an order of precedence dependent on the size of ~~their~~respective availability values,

~~in that~~ wherein the base station ~~(BS1)~~ transmits ~~this the~~ priority list to the wireless subscriber terminal ~~(MT)~~, and

~~in that~~ wherein the wireless subscriber terminal ~~(MT)~~ receives the priority list and checks by means of the identification codes of the listed radio transmission modes ~~(DECT, GSM, EDGE)~~ ~~listed there~~ whether at least one of the identification codes gives a radio transmission mode ~~(DECT)~~ by which the transceiver of the subscriber terminal ~~(MT)~~ can transmit and receive radio signals.

5. (currently amended) The Radio-radio communications system according to claim 4, ~~characterised in that~~ wherein, in the event that at least two identification codes give radio transmission modes ~~(DECT, GSM)~~ by which the transceiver of the subscriber terminal ~~(MT)~~ can transmit and receive radio signals, the wireless subscriber terminal selects the radio transmission mode ~~(DECT)~~ which has the highest availability value.

6. (currently amended) The Radio-radio communications system according to claim 4, ~~characterised in that~~ wherein the wireless subscriber terminal ~~(MT)~~ transmits to the base station, ~~(BS1)~~ the identification codes for all the radio transmission modes ~~(DECT, GSM, UMTS)~~ by which the transceiver of the subscriber terminal ~~(MT)~~ can transmit and receive radio signals, and

~~in that~~wherein the control means ~~(PRM)~~ for the base station ~~(BS1)~~ then creates the priority list by means of the identification codes transmitted by the subscriber terminal ~~(MT)~~, ~~only these~~the identification codes being listed in the priority list in a ~~a~~an order of precedence dependent on the size of ~~their~~respective availability values.

7. (currently amended) The Radio-radio communications system according to claim 6, ~~characterised in that~~wherein the wireless subscriber terminal ~~(MT)~~ lists the identification codes for the radio transmission modes ~~(DECT, GSM, UMTS)~~ in accordance with a ~~preselectable~~preselected order of precedence to form a wish list and transmits this wish list to the base station ~~(BS1)~~, and

~~in that~~wherein the control means ~~(PRM)~~ for the base station ~~(BS1)~~ then creates the priority list by means of the transmitted wish list, the identification codes being listed in the priority list with the same availability values ~~as those in their~~ order of precedence of the radio transmission modes within the wish list.

8. (currently amended) The Radio-radio communications system according to claim 7, ~~characterised in that~~wherein the wireless subscriber terminal ~~(MT)~~ contains input means by ~~means of~~ which the subscriber preselects the order of precedence of the radio transmission modes ~~(DECT, GSM, UMTS)~~ listed in the wish list.

9. (currently amended) The Radio-radio communications system according to claim 7, ~~characterised in that~~wherein the wireless subscriber terminal ~~(MT)~~ contains a computer which preselects the order of precedence of the radio transmission modes ~~(DECT, GSM, UMTS)~~ listed in the wish list by means of the telecommunications service desired by the subscriber.

10. (currently amended) A Wireless-wireless subscriber terminal in a radio communications system which contains at least one base station, ~~(MT)~~ comprising:

~~which contains~~ a transceiver in order to transmit and receive, ~~in a radio communications system which contains at least one base station (BS1, BS2),~~ radio signals by at least two different radio transmission modes ~~(DECT, GSM, UMTS, IS95),~~ and which contains a selector in order to select one of the various radio transmission modes ~~(DECT, GSM, UMTS)~~ at least prior to a subscriber connection being established with one ~~(BS1)~~ of the, at least one, base stations ~~(BS1, BS2),~~

~~characterised in that~~wherein the wireless subscriber terminal ~~(MT)~~ receives identification codes from the at least one base station ~~(BS1), which the at least one base station also contains~~containing a transceiver, in order to transmit and receive by various radio transmission modes ~~(DECT, GSM, EDGE), and which is~~the at least one base station connected to a control means ~~(PRM)~~ which determines an availability value for each of the various radio transmission modes ~~(DECT, GSM, EDGE)~~ with the aid of ~~preselectable~~ preselected criteria and controls the at least one base station (BS1) ~~in order~~ to transmit to the wireless subscriber terminal, ~~(MT)~~ the

identification code at least for the radio transmission mode ~~(DECT)~~ which has the highest availability value.

11. (currently amended) A Base-base station ~~(BS1)~~ for a radio communications system comprising:

~~with~~ at least one wireless subscriber terminal ~~(MT)~~ which contains a transceiver, in order to transmit and receive radio signals by at least two different radio transmission modes ~~(DECT, GSM, UMTS, IS95)~~, and which contains a selector in order to select one of the various radio transmission modes ~~(DECT, GSM, UMTS)~~ at least prior to a subscriber connection being established with the base station ~~(BS1)~~,

~~characterised in that~~ wherein the base station ~~(BS1)~~ ~~also~~ contains a transceiver in order to transmit and receive by various radio transmission modes ~~(DECT, GSM, EDGE)~~, and

~~in that~~ wherein the base station ~~(BS1)~~ is connected to a control means ~~(RRM)~~ which determines an availability value for each of the various radio transmission modes ~~(DECT, GSM, EDGE)~~ with the aid of ~~preselectable~~ preselected criteria in order to control the base station ~~(BS1)~~ so the base station ~~(BS1)~~ transmits, to the wireless subscriber terminal, ~~(MT)~~ an identification code at least for the radio transmission mode which has the highest availability value.

12. (currently amended) A Control-control means ~~(RRM)~~ for at least one base station ~~(BS1, BS2)~~ in a radio communications system with at least one wireless subscriber terminal ~~(MT)~~ which contains a transceiver in order to transmit and receive radio signals by at least two different radio transmission modes ~~(DECT, GSM, UMTS, IS95)~~ and which contains a selector in order to select one of the various radio transmission modes ~~(DECT, GSM, UMTS, IS95)~~ at least prior to a subscriber connection being established with one ~~(BS1)~~ of the, at least one, base stations ~~(BS1, BS2)~~,

~~characterised in that~~ wherein the at least one base station ~~(BS1)~~ also contains a transceiver in order to transmit and receive by various radio transmission modes ~~(DECT, GSM, EDGE)~~, and

~~in that~~ wherein the control means ~~(RRM)~~ determines an availability value for each of the various radio transmission modes ~~(DECT, GSM, EDGE)~~ with the aid of preselectable preselected criteria and controls the base station ~~(BS1)~~ ~~in order~~ to transmit to the wireless subscriber terminal, ~~(MT)~~ an identification code at least for the radio transmission mode ~~(DECT)~~ which has the highest availability value.

13. (currently amended) A Method-method of radio transmission ~~(100)~~ in a radio communications system in which radio signals are transmitted and received by a wireless subscriber terminal ~~(MT)~~ by at least two different radio transmission modes ~~(DECT, GSM, UMTS, IS95)~~ and in which one of the various radio transmission modes ~~(DECT, GSM, UMTS)~~

is selected ~~(140)~~ by the subscriber terminal ~~(MT)~~ at least prior to a subscriber connection being established ~~(150)~~ with a base station ~~(BS1)~~, comprising:

~~characterised in that~~ transmitting and receiving radio signals by various radio transmission modes, are also transmitted and received (155) by the base station, ~~(BS1)~~ by various radio transmission modes (DECT, GSM, EDGE), and

~~in that an availability value is determined~~ determining an availability value (110) for each of the various radio transmission modes ~~(DECT, GSM, EDGE)~~ by a control means ~~(RRM)~~ connected to the base station ~~(BS1)~~ with the aid of ~~preselectable~~ preselected criteria; and

controlling the base station (BS1) ~~is controlled in order~~ to transmit (130) to the wireless subscriber terminal ~~(MT)~~, an identification code at least for the radio transmission mode ~~(DECT)~~ which has the highest availability value.

14. (currently amended) The Method ~~method~~ of radio transmission ~~(100)~~ according to claim 13, ~~characterised in that~~ wherein a priority list is created ~~(120)~~ for the base station ~~(BS1)~~ in which the identification codes for the radio transmission modes ~~(DECT, GSM, EDGE)~~ are listed in an order or precedence dependent on the size of ~~their~~ respective availability values,

~~in that this~~ wherein the priority list is transmitted ~~(130)~~ by the base station ~~(BS1)~~ to the wireless subscriber terminal ~~(MT)~~, and

~~in that~~wherein the priority list is received ~~(135)~~ by the wireless subscriber terminal ~~(MT)~~ and it is checked ~~(140)~~ by means of the identification codes of the radio transmission modes ~~(DECT, GSM, EDGE)~~ listed ~~there~~ to determine whether at least one of the identification codes gives a radio transmission mode ~~(DECT)~~ by which the transceiver of the subscriber terminal ~~(MT)~~ can transmit and receive radio signals.

15. (currently amended) The Method ~~method~~ of radio transmission ~~(100)~~ according to claim 14, ~~characterised in that~~wherein the identification codes for all the radio transmission modes ~~(DECT, GSM, UMTS)~~ by which the transceiver of the subscriber terminal ~~(MT)~~ can transmit and receive radio signals are transmitted ~~(103)~~ to the base station ~~(BS1)~~ from the wireless subscriber terminal ~~(MT)~~, and

~~in that~~wherein the priority list is ~~then~~ created for the base station ~~(BS1)~~ by means of the identification codes transmitted by the subscriber terminal ~~(MT)~~, ~~only these~~ such that the identification codes ~~being~~ are listed in the priority list in an order of precedence dependent on the size of ~~their~~ respective availability values.

16. (new) The method of radio transmission according to claim 14, wherein the priority list is transmitted to the wireless subscriber terminal prior to the subscriber connection being established.